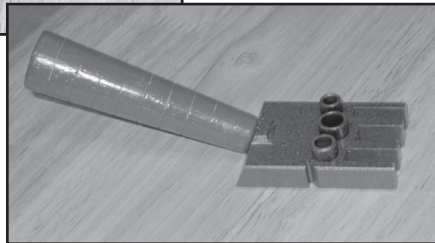
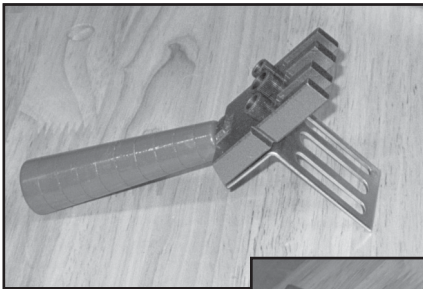


3 IN 1 DOWEL JIG

Model 91990

OPERATION INSTRUCTIONS



3491 Mission Oaks Blvd., Camarillo, CA 93011

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For technical questions and replacement parts, please call 1-800-444-3353

Specifications

| | |
|-------------------|---------------------------------------|
| Dowel Sizes | 1/4", 5/16", 3/8" Diameter |
| Dowel Jig Size | 2-3/4" Long X 1-3/4" Wide X 1/2" High |
| Clamping Bar Size | 2-1/2" Long X 1-3/4" Wide |
| Tool Weight | .7 Lbs. |

Save This Manual

You will need the manual for the safety warnings and precautions, assembly instructions, operating and maintenance procedures, parts list and diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep the manual and invoice in a safe and dry place for future reference.

Safety Warnings and Precautions

WARNING: When using product, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment.

Read all instructions before using this product!

1. **Keep work area clean.** Cluttered areas invite injuries.
2. **Observe work area conditions.** Do not use machines or power tools in damp or wet locations. Don't expose to rain, Keep work area well lighted.
3. **Keep children away.** Children must never be allowed in the work area.
4. **Store idle equipment.** When not in use, tools must be stored in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.
5. **Use the right product for the job.** There are certain applications for which this product was designed. Do not modify this product and do not use this product for a purpose for which it was not intended.
6. **Dress properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts. Tie up long hair to prevent it from being tangled in the drill.
7. **Use eye protection.** Always wear ANSI approved impact safety goggles when using this product.
8. **Do not overreach.** Keep proper footing and balance at all times.
9. **Check for damaged parts.** Before using any tool, any part that appears damaged should be carefully checked to determine that it will perform its intended function. Replace any broken parts or any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician.
10. **Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts will void the warranty.

11. **The quality of the woodwork that is made using this device depends primarily on the skill of the carpenter, the straightness of the already installed dowels, and other factors. Harbor Freight Tools is not responsible for any damage to the tool or workpiece due to misuse, inexperience, or any other circumstance.**
12. **Use clamps (not included) or other practical ways to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control. Keep hands away from the wood while drilling.
13. **Read and adhere to all warnings and safety precautions in the owner's manual for any tool to be used with this Jig.**

Warning: The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Unpacking

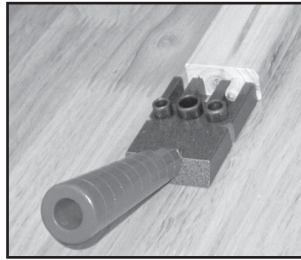
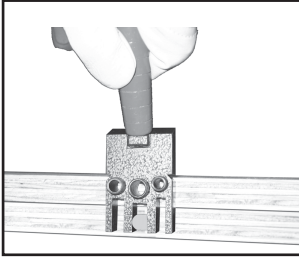
When unpacking, check to make sure that the “L” Bracket, screws and handle are all included. If any parts are missing or broken, please call Harbor Freight Tools at the number on the cover of this manual.

Operation

Note: Although the Dowel Jig is designed to be self-aligning, always measure before drilling to make sure your connection will be correct and you are drilling to the proper depth. Using Drill Stops (such as Harbor Freight Tools' ITEM 38336; not included) to regulate the depth is recommended.

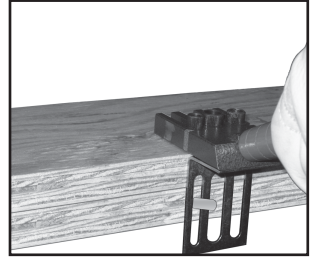
1. The slots in both the “L” Bracket (2) and the Handle are designed to help align a hole with an already installed dowel in another piece of wood.
2. There are three Configurations that you can use, the End-to-end configuration, “T” configuration, or Corner configuration. One Configuration requires the “L” Bracket to be mounted, the others need it to be removed. The Bracket can be attached or removed using the Screws (3). Position the two pieces of wood and the Dowelling Jig according to the appropriate illustration on the next page.
3. The wood and the Handle (1) both need to be secured firmly with one or more “C” Clamps (not provided) before drilling.
4. Choose the hole size that fits the dowel by fitting the slot around the dowel. The corresponding hole in the Handle (1) will allow you to drill the correct size hole.
5. Carefully drill through the corresponding hole to the depth decided upon.

**End-to-end
Configuration
without “L” Bracket (2)**



**“T”
Configuration
without “L” Bracket (2)**

**Corner
Configuration
using “L” Bracket (2)**



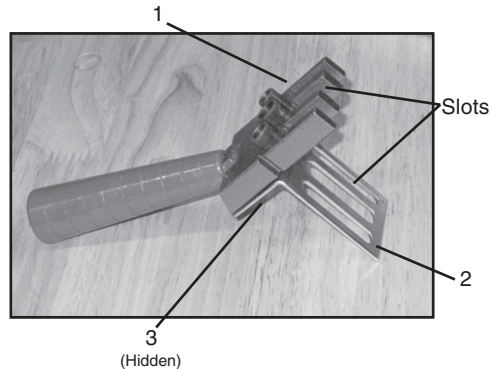
Maintenance

1. To remove dust, use a damp cloth. To remove grease or oil, use a water based cleaning detergent, rinse with damp cloth, and dry.
2. This product should be assembled and stored in a dry area.

Parts List

| Part | Description |
|------|-------------|
| 1 | Handle |
| 2 | “L” Bracket |
| 3 | Screws |

Parts Illustration



NOTE: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.